

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

Claims 1 and 2 (Cancelled)

3. (Currently Amended) ~~An A-detection~~ apparatus for detecting the presence of a detectable material in a sample comprising:

a fluid application section for contacting said sample;

a reaction reagent section, ~~having~~ containing particles ~~which are capable of biologically bonding to said detectable material~~ having antibodies which bind to the detectable material but which do not affect detection of said detectable material when not ~~biologically bonded~~ bound to said detectable material, and marking elements movably contained therein, said reaction reagent section connected to said fluid application section such that said sample moves from said fluid application section to said reaction reagent section; wherein said marking element comprises antibodies specific to the detectable material labeled with a detectable marker;

a porous carrier connected to said reaction reagent section such that said sample moves from said reaction reagent section to said porous carrier;

wherein a reaction product is formed from ~~biological bonding~~ binding of said detectable material with both said marking elements and said particles when said detectable material is present in said sample; and

a catching section in said porous carrier made from a material having a pore size smaller than a size of said reaction product, such that chromatographic movement of said marking elements

not bonded in said reaction product is permitted through said catching section and ~~whereby~~ chromatographic movement of said reaction product is restricted, ~~whereby~~ because of the size of said reaction product, thereby causing said reaction product to be retained by said catching section.

4. (Currently Amended) ~~A detection~~ The apparatus for ~~detecting the presence of a~~ detectable material in a sample according to claim 3, wherein said pore size of said catching section is smaller than a ~~particle~~ the diameter of said particles.

5. (Currently Amended) ~~A detection~~ The apparatus for ~~detecting the presence of a~~ detectable material in a sample according to claim 4, wherein said detectable material is selected from at least one of human chorionic gonadotropin, luteinizing hormone, follicle stimulating hormone, thyroid stimulating hormone, insulin, and carcinoembryonic antigen.

6. (Currently Amended) ~~A detection~~ The apparatus for ~~detecting the presence of a~~ detectable material in a sample according to claim 3, wherein said pore size of said material of said catching section is larger than a ~~particle~~ the diameter of said particles.

7. (Currently Amended) ~~A detection~~ The apparatus for ~~detecting the presence of a~~ detectable material in a sample according to claim 6, wherein said detectable material is selected from at least one of hepatitis B surface antigen, C-reactive protein, and hemoglobin.

